

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A process for preparing at least one polyisocyanate polyisocyanates by comprising reacting organic amines with phosgene in an inert solvent, wherein the reaction is carried out in at least three stages, with the first stage being carried out in a mixing apparatus, the second stage in at least one residence apparatus and the third stage in one or more at least one (reaction) columns reaction column and the pressure in each successive stage being lower than that in the previous stage.

Claim 2 (Currently Amended): A The process as claimed in of claim 1, wherein the at least one polyisocyanate is diphenylmethane diisocyanate (MDI), polyphenylene-polymethylene polyisocyanate (PMDI)-or a mixture of these two, tolylene diisocyanate (TDI), hexamethylene diisocyanate (HDI), or isophorone diisocyanate (IPDI), or a mixture of diphenylmethane diisocyanate (MDI) and polyphenylene-polymethylene polyisocyanate (PMDI).

Claim 3 (Currently Amended): A The process as claimed in of claim 1, wherein a nozzle is used as the mixing apparatus for the first stage.

Claim 4 (Currently Amended): A The process as claimed in of claim 1, wherein a tube reactor, a stirred vessel, an unstirred residence apparatus or a phase separation apparatus for gas and liquid phases is used as the at least one residence apparatus for the second stage.

Claim 5 (Currently Amended): A The process as claimed in any of claims 1-4 of claim 1, wherein the residence time in the residence apparatus of the second stage is from 1 second to 30 minutes, ~~preferably from 30 seconds to 10 minutes, particularly preferably from 2 to 7 minutes.~~

Claim 6 (Currently Amended): A The process of claim 1 as claimed in any of claims 1-5, wherein the at least one residence apparatus of the second stage comprises residence reactor of the second stage is configured as at least two or more reactors of the same or different types which are connected in parallel, or in series, or in a combination thereof.

Claim 7 (Currently Amended): A The process as claimed in of claim 1, wherein the phosgene is separated off in the at least one reaction column in the apparatus of the third stage, preferably a (reaction) column.

Claim 8 (Currently Amended): A The process as claimed in of claim 1, wherein the pressure is reduced from the pressure of the reactor mixing apparatus of the first stage to the pressure of the reactor residence apparatus of the second stage by means of a regulating valve or some other device characterized by a pressure drop.

Claim 9 (Currently Amended): A The process as claimed in of claim 1, wherein the pressure is reduced from the pressure of the reactor at least one residence apparatus of the second stage to the pressure of the reactor at least one reaction column of the third stage by means of a regulating valve or some other device characterized by a pressure drop.

Claim 10 (Currently Amended): A The process as claimed in of claim 1, wherein the reactor mixing apparatus of the first stage is integrated into the reactor at least one residence apparatus of the second stage.

Claim 11 (Currently Amended): A The process as claimed in any of claims 1 to 10 of claim 1, wherein the pressure upstream of the static mixer mixing apparatus is 3-70 bar, preferably 15-45 bar, the pressure in the reactor of the second stage is 2.5-35 bar, preferably 15-35 bar, and the pressure in the reactor of the third stage is 2-20 bar, preferably 3.5-16 bar.

Claim 12 (Currently Amended): A The process as claimed in any of claims 1 to 11 of claim 1, wherein the temperature in the first, second and third stages is in each case 80-190 °C, preferably 90-150 °C.

Claim 13 (Currently Amended): A The process as claimed in any of claims 1 to 12 of claim 1, wherein an aromatic hydrocarbon, such as toluene or preferably a chlorinated aromatic hydrocarbon, such as chlorobenzene, ortho-dichlorobenzene or trichlorobenzene or a mixture thereof is used as the inert solvent.

Claim 14 (New): The process of claim 1, wherein the residence time in the at least one residence apparatus of the second stage is from 30 seconds to 10 minutes.

Claim 15 (New): The process of claim 1, wherein the residence time in the at least one residence apparatus of the second stage is from 2 to 7 minutes.

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Preliminary Amendment

Claim 16 (New): The process of claim 8, wherein the regulating device is a regulating valve.

Claim 17 (New): The process of claim 9, wherein the regulating device is a regulating valve.

Claim 18 (New): The process of claim 1, wherein the pressure upstream of the mixing apparatus is 15-45 bar.

Claim 19 (New): The process of claim 1, wherein the pressure in the reactor of the second stage is 2.5-35 bar.

Claim 20 (New): The process of claim 1, wherein the temperature in the first, second and third stages is in each case 90-150 °C.